

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Kyung-Ju Choi

GROUP:

SERIAL NO.: 10/669,963

EXAMINER:

FILED: September 24, 2003

DOCKET NO.: AAF 7133C2

FOR: TREATED FILTER MEDIA AND FRAME

St. Louis, Missouri  
January 14, 2004

Mail Stop IDS  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO §1.97 AND § 1.98**

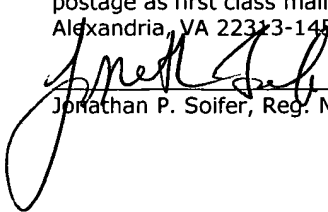
Sir:

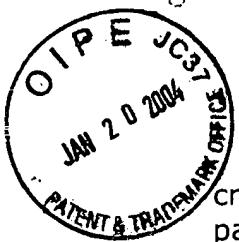
The information, patents and/or literature references listed on the attached form PTO-1449, is being submitted within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114. **Therefore, no fee is due.**

Copies of the non-US patent and non-patent literature are filed herewith. DE 2632511 corresponds to US 4,141,821. Applicant submits that the corresponding US patent qualifies as a translation of the German patent.

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop IDS, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on January 14, 2004.

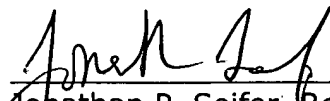
  
Jonathan P. Soifer, Reg. No. 34,932

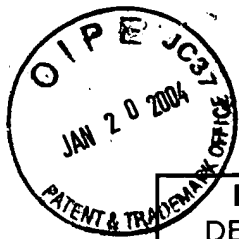


The Commissioner is hereby authorized to charge any additional fees or credit overpayment under 37 CFR 1.16 and 1.17, which may be required by this paper to Deposit Account 162201. *Duplicate copies of this sheet are enclosed.*

Respectfully submitted,

Date: January 14, 2004

  
Jonathan P. Soifer, Registration No. 34,932  
POLSTER, LIEDER, WOODRUFF  
& LUCCHESI, L.C.  
12412 Powerscourt Drive, Suite 200  
St. Louis, Missouri 63131-3615  
(314) 238-2400  
(314) 238-2401 (fax)



Sheet 1 of 1

<b>FORM PTO-1449</b> U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTY. DOCKET NO. AAF 7133 C2</td> <td style="width: 50%;">SERIAL NO.: 10/669,963</td> </tr> <tr> <td colspan="2">APPLICANT: Kyung-Ju Choi</td> </tr> <tr> <td colspan="2">Filing Date: 09/24/03 Group:</td> </tr> </table>	ATTY. DOCKET NO. AAF 7133 C2	SERIAL NO.: 10/669,963	APPLICANT: Kyung-Ju Choi		Filing Date: 09/24/03 Group:	
ATTY. DOCKET NO. AAF 7133 C2	SERIAL NO.: 10/669,963						
APPLICANT: Kyung-Ju Choi							
Filing Date: 09/24/03 Group:							

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Kind Code (click here)	Patent Issue Date <b>OR</b> US App. Pub. Date <b>OR</b> US Non- Published Application Filing Date	Name
	US 2 4 0 3 2 6 1		07/1946	Clark
	US 2 7 5 1 0 3 9		06/1956	Hanly
	US 2 7 5 1 0 4 0		06/1956	Hanly
	US 3 1 3 3 8 8 4		05/1964	Graham, et al.
	US 3 5 0 1 3 2 5		03/1970	Hamilton
	US 4 1 4 1 8 2 1		02/1979	Wolff
	US 4 4 6 0 3 9 4		07/1984	Wrightson
	US 4 6 0 8 1 7 3		08/1986	Watanabe, et al.
	US 5 1 2 4 1 7 7		06/1992	Kasmak, Jr. et al.
	US 5 2 6 9 9 2 5		12/1993	Broadhurst
	US 5 3 3 8 3 4 0		08/1994	Kasmak, Jr. et al.
	US 5 5 2 5 1 3 6		06/1996	Rosen
	US 5 5 7 3 8 1 1		11/1996	Townsley
	US 5 9 5 1 7 4 5		09/1999	Gibbs, et al.

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number			Date	Country	Translation	
						Yes	No
	2	6	3	2 5 1 1	01/1978 Germany	X	
	9	8	5	3 8 9 9	12/1998 PCT		

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		European Search Report for EP200195 - May 18, 2000 - Berlin (1 pg).
		Patent Abstracts of Japan, for JP63 134021, June 1988

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)